

Atty. Dkt. No. 077319-0373

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Daopei LU
Title: ARSENIC SULFIDE COMPOUNDS AND
DERIVATIVES THEREOF FOR THE
TREATMENT OF MALIGNANCIES
Appl. No.: 10/635,653
Filing Date: 8/7/2003
Examiner: Pryor, Alton Nathaniel
Art Unit: 1616

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Applicant submits herewith on Form PTO/SB/08 a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 09/110,366, filed 7/6/1998. As provided in 37 CFR §1.98(d), copies of the documents are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

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TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

RELEVANCE OF EACH DOCUMENT

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

FEE

A fee in connection with submission of an information disclosure statement under 37 CFR §1.97(c) in the amount of \$180.00 in accordance with 37 CFR §1.17(p) is attached.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date 22 April 2004

By Stephen A. Bent

FOLEY & LARDNER LLP
Customer Number: 22428
Telephone: (202) 672-5404
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Stephen A. Bent
Attorney for Applicant
Registration No. 29,768

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**INFORMATION DISCLOSURE
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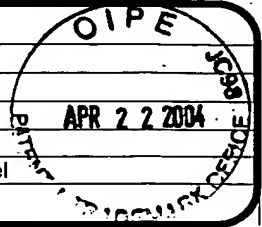
Date Submitted: April 22, 2004

(use as many sheets as necessary)

Sheet 1 of 8

Complete if Known

Application Number 10/635,653
 Filing Date 8/7/2003
 First Named Inventor Daopei LU
 Group Art Unit 1616
 Examiner Name Pryor, Alton Nathaniel
 Attorney Docket Number 077319-0373



U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		6,720,011		Zhang	4/13/04	
		US 2002-0183385		Ellison et al.	12/5/02	
		132,275		Gettings	10/15/1872	
		232,807		Dennett	10/05/1886	
		3,700,498		Kanazawa et al.	10/24/72	
		4,497,780		Barin et al.	2/05/85	
		5,759,837		Kuhajda et al.	6/2/98	
		US 2002 0013371		Warrell, Jr. et al.	1/31/02	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		CN	1061908 A		Yang et al.	6/17/92		
		CN	1079391 A			12/15/93		
		JP	51-88620			3/8/76		
		WO	95/01789			1/19/95		
		CN	1133725 A			10/23/96		
		CN	1131037 A			9/18/96		
		CN	1122700 A			5/22/96		
		CN	1081104 A			1/26/94		
		CN	1119113 A			3/27/96		
		CN	1121807 A			5/8/96		
		WO	94/02108			2/3/94		
		FR	2 539 993 A1			3/31/94		
		DE	43 17 331 A1			12/1/94		
		WO	95/22336			8/24/95		
		LV	11667 B			6/20/97		
		DE	2 539 993			3/31/94		

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		Attorney Docket Number	077319-0373
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		"Diarsendisulfid As ₂ S ₂ ", Gmelin's Arsenic, 8 th Edition, 17:417-422, 1952	
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		Yuan et al., Journal of Traditional Chinese Medicines, Vol. 13(8), August 1988	
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		Yuan et al., "Exploring methods for purifying Realgar", Chung Yao Tung Pao, 13(8): 17-21, 1988	
		Yuan et al., "Research on traditional methods for Purifying Realgar", Chung Yao Tung Pao, 13(8): 23-26, 1988	
		"Realgar", Chinese Pharmacopria (I), Guangdong Science and Technology Publishing House, China, pp 298-299, 1995	
		Lu et al., "Effective treatment of AML-M3 (APL) and their remission maintenance with Realgar: A pilot clinical laboratory study on 38 patients", Blood, 90(10 Suppl. 1, part 1), p. 416a, #1849, 1997	
		Forkner et al., "Arsenic as a therapeutic agent in chronic myelogenous leukemia", Jour. A.M.A., Vol, 97, No. 1, pp. 3-5, 1931	

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Sheet	3	of	8

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		Stephens et al., "The therapeutic effect of solution of potassium arsenite in chronic myelogenous leukemia", Ann. Intern. Assoc. , Vol. 9, 1488-1502, 1936	
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		Schenk, Handbook of Preparative Inorganic Chemistry, 1: 603, G. Brauer, Ed., Academic press, New York, 2 nd Ed., 1963	

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		Mervis, "Ancient remedy performs new tricks", Science, Vol. 273: 578, 2 August, 1996	
		Chemical Abstract, 63-Pharmaceuticals, Vol. 11, pp. 317, #111: 219272j and 111: 219276p, 1987-1991	
		Lu et al., "Study of Realgar in the treatment of acute promyelocytic Leukemia (APL)- a pilot clinical and laboratory study on 32 patients, China-Korea Medical Conference '97, 1997	
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		Cutler et al., Article IV, American Journal of the Medical Sciences, pp. 74-84	

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		Group Art Unit	1616
(use as many sheets as necessary)		Examiner Name	Pryor, Alton Nathaniel
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		Neubauer, "Arsenic Cancer: a review", Arsenical Cancer, Arsenic Committee of the Medical Research Council, pp. 192-251, 1947.	
		Zhu et al., "Arsenic-induced PML targeting onto nuclear bodies: implications for the treatment of acute promyelocytic leukemia", Proc. Natl. Acad. Sci., Vol. 94, pp. 3978-3983, April 1997	
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		"Goodman & Gilman's The pharmacological basis of therapeutics", ninth edition, McGraw-Hill, Health Professions Division, pp. 1659-1662.	
		Huang, Shiling; Guo, Aixia; Xiang, Yang et al. 1995, "The Linic Study of QUINGDAI Tablet for Treating Acute Promyelocytic Leukemia", China Magazine of Hematology, 16(1):26	
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		Kwong et al., Delicious Poison: Arsenic Trioxide for the treatment of Leukemia", Blood 89-3487-8, May 1997	

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		Li et al., "Traditional Chinese and Western Medicine in the treatment of 27 Patients with Malignant Lymphoma", Chinese J Oncology, 10:61-62, 1988	
		Pories et al., "Trace Elements that Act to Inhibit Neoplastic growth", Annals New York Academy of Sciences, 199:pp 265-273, 1972	
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		Treleaven et al., "Arsenic and Ayurveda", Leukemia and Lymphoma, Vol. 10, pp. 343-345, 1993	

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		Group Art Unit	1616
		Examiner Name	Pryor, Alton Nathaniel
		Attorney Docket Number	077319-0373
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
		USP Dictionary of USAN and International Drug Names, United States Pharmacopeia Conventions, Inc., Rockville, MD, p. 59, November 1994	
		Wang et al., "Arsenic and the Treatment of Leukemia", J Harbin Medical Univ., Vol. 31, No. 5, October 1997	
		Zhang et al., "Traditional Chinese and Western Medicine in the Treatment of 27 patients with Malignant Lymphoma," Chinese J. Oncology, 10:61-62, 1988.	
		Zhang et al., Clinical Study on the Treatment of Acute Promyelocytic Leukemia with Ai Ling #1, J of Traditional Chinese and Western Medicine, Vol. 4, No. 1, 1984, p 19	
		Zhang et al., Treatment of Acute Promyelocytic Leukemia with "713": Clinical Observations and Study of Action Mode on 117 Patients", J Harbin Medical University, Vol. 29, No. 3, 1995.	
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